JAP7 Rec'd PCT/PTO 01 SEP 2006

FORM PTO 1390 (REV 5-93)

US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. §371

ATTORNEY DOCKET NUMBER 2006 1464A

15. PH. 5.499 17.51

International Application No. PCT/JP2005/003787

International Filing Date March 4, 2005

Priority Date Claimed March 4, 2004

Title of Invention

B-FRUCTOFURANOSIDASE VARIANTS

Applicant(s) For DO/EO/US

Hirofumi NAKAMURA et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

- 1. [X] This is a FIRST submission of items concerning a filing under 35 U.S.C. §371.
- 2. [] This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. §371.
- 3. [X] This express request to begin national examination procedures (35 U.S.C. §371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. §371(b) and PCT Articles 22 and 39(1).
- 4. [] A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
- 5. [X] A copy of the International Application as filed (35 U.S.C. §371(c)(2))
 - a. [] is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. [X] has been transmitted by the International Bureau.
 - c. [] is not required, as the application was filed in the United States Receiving Office (RO/US)
- 6. [X] A translation of the International Application into English (35 U.S.C. §371(c)(2)). ATTACHMENT A
- 7. [] Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. §371(c)(3)).
 - a. [] are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. [] have been transmitted by the International Bureau.
 - c. [] have not been made; however, the time limit for making such amendments has NOT expired.
 - d. [] have not been made and will not be made.
- 8. [] A translation of the amendments to the claims under PCT Article 19.
- 9. [X] An executed oath or declaration of the inventor(s) (35 U.S.C. §371(c)(4)). ATTACHMENT B
- 10. [] A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. §371(c)(5)).

Items 11. to 14. below concern other document(s) or information included:

- 11. [X] An Information Disclosure Statement under 37 CFR 1.97 and 1.98. ATTACHMENT C
- 12. [X] An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.

ATTACHMENT D

- 13. [X] A FIRST preliminary amendment. ATTACHMENT E
 - [] A SECOND or SUBSEQUENT preliminary amendment.
- 14. [X] Other items or information:
- WO 2005/085447 ATTACHMENT F
- Form PCT/IB/304 ATTACHMENT G

THE COMMISSIONER IS AUTHORIZED TO CHARGE ANY DEFICIENCY IN THE FEE FOR THIS PAPER TO DEPOSIT ACCOUNT NO. 23-0975.

	"AP9 Rec'd PCT/PTO 01 SEP 2006						
U.S. APPLICATION 9.5. 9.1 FR 751 NEW		INTERNATIONAL APPLICATION NO. PCT/JP2005/003787			ATTORNEY'S DOCKET NO. 2006_1464A		
15. [X] The following fees are sub				CALCULATIONS	PTO USE ONLY		
Basic National Stage Fee							
ENTER APPROPRIATE BASIC FEE AMOUNT =					\$900.00		
Surcharge of \$130.00 for furnishing the oath or declaration later than [] 20 [] 30 months from the earliest claimed priority date (37 CFR 1.492(e)).					\$		
Claims	Number Filed	Number I	Extra	Rate			
Total Claims	32 - 20 =	12		X \$50.00	\$600.00		
Independent Claims	2 - 3 =	0		X \$200.00	\$		
Multiple dependent claim(s) (if applicable) + \$360.00				+ \$360.00	\$360.00		
TOTAL OF ABOVE CALCULATIONS =					\$1,860.00		
[] Small Entity Status is hereby asserted. Above fees are reduced by 1/2.					\$		
SUBTOTAL =					\$1,860.00		
Processing fee of \$130.00 for furnishing the English translation later than [] 20 [] 30 months from the earliest claimed priority date (37 CFR 1.492(f)).					\$		
TOTAL NATIONAL FEE =					\$1,860.00		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +					\$40.00		
TOTAL FEES ENCLOSED =					\$1,900.00		
					Amount to be refunded	\$ -	
					Amount to be charged	\$	
 a. [X] A check in the amount of \$1,900.00 to cover the above fees is enclosed. A duplicate copy of this form is enclosed. b. [] Please charge my Deposit Account No. 23-0975 in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed. c. [] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-0975. NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) 							
must be filed and granted to restore the application to pending status.							
19. CORRESPONDENCE ADDRESS			By: Warren M. Cheek, Jr., Registration No. 38,367				
CUSTOMER NO.			WENDEROTH, LIND & PONACK, L.L.P.				
000513			2033 "K" Street, N.W., Suite 800 Washington, D.C. 20006-1021 Phone:(202) 721-8200 Fax:(202) 721-8250				
Sept					ember 1, 2006		

[CHECK NO.

[2006_1464A]

IN THE UNITED STATES PATENT AND TRADEMAKE JFFICE

In re application of

Hirofumi NAKAMURA et al.

Serial No. NEW : Attorney Docket No. 2006_1464A

Filed September 1, 2006

β-FRUCTOFURANOSIDASE VARIANTS [Corresponding to PCT/JP2005/003787 Filed March 4, 2005]

SUBMISSION OF ENGLISH/JAPANESE

DECLARATION AND POWER OF ATTORNEY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The attached Declaration and Power of Attorney includes both Japanese language text and English language text. The English language text constitutes an accurate translation of the Japanese language text.

Respectfully submitted,

Hirofumi NAKAMURA et al.

Bv

Warren M. Cheek, Jr.

Registration No. 33,367

Attorney for Applicants

WMC/dlk Washington, D.C. 20006-1021 Telephone (202) 721-8200 Facsimile (202) 721-8250 September 1, 2006